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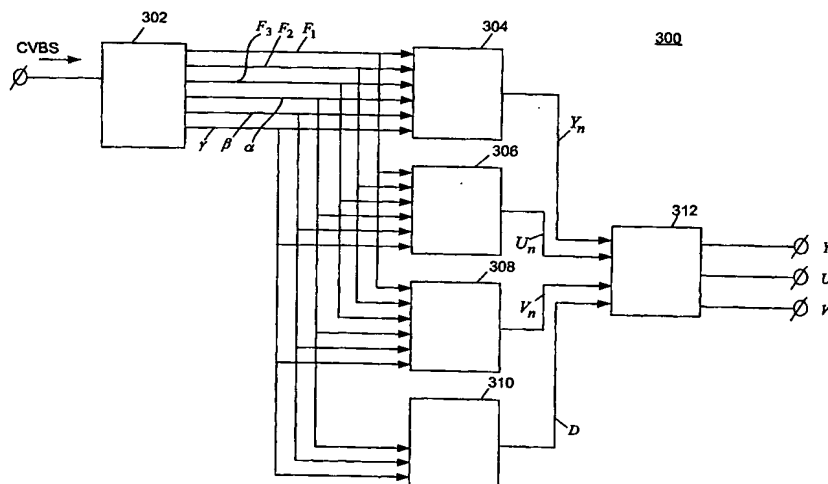
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(54) Title: LUMINANCE AND COLOR SEPARATION



(57) Abstract: A luminance and color separation filter unit (300, 400, 500, 600, 700) for extracting a luminance signal (Y) and two color signals (U, V) from a composite color television signal (CVBS), comprising a chrominance (C) signal being modulated on a subcarrier which is located in the high-frequency part of the frequency spectrum of the luminance signal (Y), is disclosed. The filter unit (300, 400, 500, 600, 700) is arranged to compute at least one value of a set of values comprising an output luminance value (Y(x, n)) of a particular output pixel (x), a first color value (U(x, n)) of the particular output pixel (x) and a second color value (V(x, n)) of the particular output pixel (x) on basis of a first (F₁), a second (F₂) and a third (F₃) sample derived from the composite color television signal (CVBS), where the first (F₁), the second (F₂) and the third (F₃) sample have mutually different sub-carrier phases.

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